

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/566,417  
Source: IFWP  
Date Processed by STIC: 2/7/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/566,417

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length     The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
  
- 4      Non-ASCII     The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text.**
  
- 5      Variable Length     Sequence(s)      contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
  
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)      missing. If intentional, please insert the following lines for **each** skipped sequence:  
                               (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               (i)     SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                               (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               This sequence is intentionally skipped  
  
                               Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)      missing. If intentional, please insert the following lines for **each** skipped sequence.  
                               <210> sequence id number  
                               <400> sequence id number  
                               000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                               Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.  
                               In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
  
- 10      Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
  
- 11      Use of <220>     Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses.  
                               Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                               (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa     "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW

## RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,417

TIME: 13:54:39

Input Set : A:\8830-385SEQ.txt

Output Set: N:\CRF4\02012006\J566417.raw

3 <110> APPLICANT: The Queen's University of Belfast  
 4 Johnston, Patrick G  
 5 Longley, Daniel B  
 6 Maxwell, Pamela J  
 8 <120> TITLE OF INVENTION: Assay Method  
 10 <130> FILE REFERENCE: P34780A  
 -> 12 <140> CURRENT APPLICATION NUMBER: US/10/566,417  
 -> 13 <141> CURRENT FILING DATE: 2006-01-30  
 15 <150> PRIOR APPLICATION NUMBER: GB0317826.6  
 16 <151> PRIOR FILING DATE: 2003-07-30  
 18 <160> NUMBER OF SEQ ID NOS: 12  
 20 <170> SOFTWARE: PatentIn version 3.2  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 18  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Artificial sequence  
 30 <400> SEQUENCE: 1  
 31 gctaaattcg tgatccgc  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 18  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Artificial  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Artificial sequence  
 42 <400> SEQUENCE: 2  
 43 caatgctgtg tccttcgc  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 18  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Artificial sequence  
 54 <400> SEQUENCE: 3  
 55 gggatgatcac tctacacc  
 58 <210> SEQ ID NO: 4  
 59 <211> LENGTH: 18  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Artificial  
 63 <220> FEATURE:  
 64 <223> OTHER INFORMATION: Artificial sequence  
 66 <400> SEQUENCE: 4

*PTI: These do not match  
 invention title and docket number  
 of official US application: ind disk label  
 (see p.4)*

**Does Not Comply  
 Corrected Diskette Needed**

*insufficient explanation - give source of  
 genetic material  
 (see item 11 on*

*Even  
 summary  
 sheet)*

*same error*

## RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,417

TIME: 13:54:39

Input Set : A:\8830-385SEQ.txt

Output Set: N:\CRF4\02012006\J566417.raw

```

67 cagtgcctgat gcaggcttc 18
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 18
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Artificial sequence
78 <400> SEQUENCE: 5
79 tcggaacgag actgcacg 18
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 18
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Artificial sequence
90 <400> SEQUENCE: 6
91 ctcttcctcc acatcacg 18
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 18
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Artificial sequence
102 <400> SEQUENCE: 7
103 cagtgaaact gcgaatgg 18
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 18
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Artificial sequence
114 <400> SEQUENCE: 8
115 ccaagatcca actacgag 18
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 18
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Artificial sequence
126 <400> SEQUENCE: 9
127 gctctgacat gcagaagg 18
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 18
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Artificial Sequence
138 <400> SEQUENCE: 10
139 cctccacccca atttcagc 18

```

## RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/566,417

TIME: 13:54:40

Input Set : A:\8830-385SEQ.txt

Output Set: N:\CRF4\02012006\J566417.raw

142 &lt;210&gt; SEQ ID NO: 11

143 &lt;211&gt; LENGTH: 18

144 &lt;212&gt; TYPE: DNA

145 &lt;213&gt; ORGANISM: Artificial

147 &lt;220&gt; FEATURE:

148 &lt;223&gt; OTHER INFORMATION: Artificial sequence

150 &lt;400&gt; SEQUENCE: 11

151 gtaatggcag gacaagcg

18

154 &lt;210&gt; SEQ ID NO: 12

155 &lt;211&gt; LENGTH: 17

156 &lt;212&gt; TYPE: DNA

157 &lt;213&gt; ORGANISM: Artificial

159 &lt;220&gt; FEATURE:

160 &lt;223&gt; OTHER INFORMATION: Artificial sequence

162 &lt;400&gt; SEQUENCE: 12

163 gggcagcatg ttgatgc

17

BEST AVAILABLE COPY

Applicant: JOHNSTON et al. *These do not match*  
File Ref.: 08830-0385US1  
Saved to Disk: 2006-01-27 *submitted file*  
Title: In Vitro Gene Expression Assay For Determining  
Fluoropyridimine Sensitivity In Chemotherapy  
Filing Date: 2004-07-30  
Serial No.  
Operating Sys: Windows 5.01

16/566,417

10/566,417 5

SEQUENCE LISTING

<110> The Queen's University of Belfast  
Johnston, Patrick G  
Longley, Daniel B  
Maxwell, Pamela J

<120> Assay Method

<130> P34780A

<150> <140> PCT/GB2004/003342

<1617> <141> 2004-07-30

These  
are  
prior  
data

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/566,417

DATE: 02/07/2006  
TIME: 13:54:41

Input Set : A:\8830-385SEQ.txt  
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valid <213> Response:

3 of "Artificial" only as "<213> Organism" response is incomplete,  
r 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

1#:1,2,3,4,5,6,7,8,9,10,11,12



**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/566,417

DATE: 02/07/2006

TIME: 13:54:41

Input Set : A:\8830-385SEQ.txt

Output Set: N:\CRF4\02012006\J566417.raw

12 M:270 C: Current Application Number differs, Replaced Current Application Number

13 M:271 C: Current Filing Date differs, Replaced Current Filing Date